FIM52/CIM52/BIM52 — DATABASE MANAGEMENT SYSTEM

Time : Three hours   Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define DBMS.

2. Write the acronym for ER.

3. Define Relational Model.

4. Write the use of projection operation.

5. Expand the term DDL.

6. State the purpose of Commit.

7. Define Self Join.

8. What is called Primary Key?

9. Define Procedure.

10. Write the acronym for PL/SQL.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Discuss the purpose of Database.

Or

(b) Explain the overall system structure with neat diagram.

12. (a) Discuss about Formal Query Language.

Or

(b) Illustrate any TWO Relational Algebra operations.

13. (a) Describe the steps for Altering table with suitable example.

Or

(b) Elucidate the purpose of Dropping a Table with suitable example.

14. (a) Illustrate the Not Null and Check constraint in detail.

Or

(b) Describe the usage of Intersect and Minus set operators with suitable example.

15. (a) Illustrate the significance of using Triggers.

Or

(b) Explain the concept of Functions with suitable example.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Develop an E-R Diagram for Library Management Processing.

17. Explain the concept of Tuple Relational calculus with example.

18. Describe the significance of using Grant and Revoke privileges.

19. Illustrate any TWO set operators.

20. Discuss in detail about Cursor Management.